

AMENDMENTS TO THE CLAIMS

1-20. (Cancelled)

21. (Currently Amended) A pressure-sensitive adhesive material or a sealing material which has a three-dimensional structure and a defined cross-sectional contour,

wherein said material is present in a form of strings, strands or strips,

wherein said strings, strands or strips have a round, semicircular, oval, elliptical, triangular, quadrangular, V-shaped, polygonal or irregular cross-sectional contour and a surface that is bent, curved or provided with edges corresponding to said cross-sectional contour, and

wherein said material is ~~produced by polymerization of a~~ cured polymerizable mass consisting of

at least one compound selected from the group consisting of

aromatic (meth)acrylates,

alicyclic (meth)acrylates, polycyclic (meth)acrylates,

heterocyclic (meth)acrylates,

epoxide acrylates,

~~epoxides~~, vinyl ethers, vinyl esters, and styrene, and

at least one other compound selected from the group consisting of acrylic acid and/or methacrylic acid monomers,

optionally a radiation sensitive initiator in an amount ranging from 0.0 to 5% wt.

of the polymerizable mass,

optionally an inorganic filler in an amount ranging from 0.0 to 10% wt. of the polymerizable mass,

optionally a flame-proofing agent in an amount ranging from of 0.0 to ~~5%~~
~~wt~~10% wt. of the polymerizable mass, and

optionally a colorant in an amount ranging from 0.0 to 2% wt. of the polymerizable mass.

22. (Previously Presented) The material according to claim 21, wherein the compound is selected from the group consisting of benzyl (meth)acrylate, phenyl (meth)acrylate, phenoxyethyl (meth)acrylate, tetrafurfuryl (meth)acrylate, and isobornyl (meth)acrylate.

23. (Cancelled)

24. (Previously Presented) The material according to claim 21, wherein the vinyl ester is vinyl acetate.

25. (Cancelled)

26. (Cancelled)

27. (Previously Presented) The material according to claim 21, wherein the epoxide acrylate is a homopolymer of glycidyl (meth)acrylate.

28. (Cancelled)

29. (Previously Presented) The material according to claim 21, wherein the radiation-sensitive initiator is selected from the group consisting of 2-hydroxy-2methyl-1-phenyl-1-propanone, 1-hydroxy-cyclohexyl-phenyl-ketone, iodonium, (4-methylphenyl)[4-(2-methylpropyl)-phenyl]hexafluorophosphate(1-), 2-benzyl-2-(dimethylamino)-1-[4-(4-morpholinyl)phenyl]-1-butanone, a mixture of 50%-wt of 1-hydroxy-cyclohexyl-phenyl-ketone and 50%-wt of benzophenone, bis [2,6-difluoro-3-(1H-pyrrol-1-yl)phenyl]titanium, phosphine oxide phenyl-bis-(2,4,6-trimethyl benzoyl and 2-hydroxy-1-[4-2(hydroxyethoxy)phenyl]-2-methyl-1-propanone.

30-35. (Cancelled)

36. (Withdrawn) A method of permanently or releasably adhesively bonding of objects, comprising the step of:

applying the pressure sensitive adhesive materials according to claim 21 between the objects to be bonded.

37. (Withdrawn) A method of sealing joints or flanged joints or panes, comprising the step of:

applying the sealing materials according to claim 21 to the joints or the flanged joints or the panes to be sealed.

38. (Previously Presented) The material according to claim 21, wherein the material is present as rolled or continuous material.

39. (Previously Presented) The material according to claim 21, wherein said strings, strands, or strips have a thickness of 0.5 to 10 mm.

40. (Previously Presented) The material according to claim 21, wherein a ratio of width to height of said strings, strands, or strips having a quadrangular cross-sectional contour is in a range of 1:1 to 1:3.

41. (Previously Presented) The material according to claim 21, wherein said strings, strands or strips have a thickness of 0.5 to 50 mm.

42. (Previously Presented) The material according to claim 21, wherein said material is produced by applying said polymerizable mass to an abhesive support in web form, said

support having one or more depressions in a longitudinal direction of said support, wherein said depressions have a pre-determined cross-sectional contour which determines said round, semi-circular, oval, elliptical, triangular, quadrangular, V-shaped, polygonal or irregular cross-sectional contour of the material.

43. (Previously Presented) The material according to claim 21, wherein said material is produced by:

the polymerization of the polymerizable mass comprising the at least one compound selected from the group consisting of aromatic (meth)acrylates, alicyclic (meth)acrylates, polycyclic (meth)acrylates, heterocyclic (meth)acrylates, epoxide acrylates, ~~epoxies~~, vinyl ethers, vinyl esters, and styrene, and

filling said polymerizable mass into one or more adhesive hollow bodies having an inner cross-sectional contour which determines said round, semi-circular, oval, elliptical, triangular, quadrangular, V-shaped, polygonal or irregular cross-sectional contour of the material when the polymerizable mass is filled into the hollow bodies and cured.

44. (Previously Presented) The material according to claim 42, wherein said polymerizable mass has a viscosity in the range of 0.5 to 10 Pa·s.

45. (Previously Presented) The material according to claim 43, wherein said polymerizable mass has a viscosity in the range of 0.5 to 10 Pa·s.

46. (New) A pressure-sensitive adhesive material or a sealing material which has a three-dimensional structure and a defined cross-sectional contour,

wherein said material is present in a form of strings, strands or strips,

wherein said strings, strands or strips have a round, semicircular, oval, elliptical, triangular, quadrangular, V-shaped, polygonal or irregular cross-sectional contour and a surface that is bent, curved or provided with edges corresponding to said cross-sectional contour, and

wherein said material is a cured polymerizable mass consisting of
at least one compound selected from the group consisting of

aromatic (meth)acrylates,

alicyclic (meth)acrylates, polycyclic (meth)acrylates,

heterocyclic (meth)acrylates,

epoxide acrylates,

vinyl ethers, vinyl esters, and styrene, and

at least one other compound selected from the group consisting of acrylic acid and/or methacrylic acid monomers,

optionally a radiation sensitive initiator in an amount ranging from 0.5 to 5% wt.
of the polymerizable mass,

optionally an inorganic filler in an amount ranging from 0.1 to 10% wt. of the
polymerizable mass,

optionally a flame-proofing agent in an amount ranging from 0.1 to 10% wt.

Application No. 10/799,724
Reply dated August 16, 2010
Reply to Office Action of April 15, 2010

Docket No.3868-0156P
Art Unit: 1771
Page 8 of 16

of the polymerizable mass, and

optionally a colorant in an amount ranging from 0.1 to 2% wt. of the polymerizable mass.